

#5

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSQKVTTN	200
PNLRIISLNTNLYYGPNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLPESLYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid:	NFIF7A
Amino Acids:	364
MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYSDVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKSULEKQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQESLY	300
GLAKQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2

1 ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF14B
1 ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF7A

51 CCGCTCCGGCCTCGGGCTGCCCGTGGCGGCCCGCAGGCGGCAGGAATCCTC NFIF14B
51 CCGCTCCGGCCTCGGGCTGCCCGTGGCGGCCCGCAGGCGGCAGGAATCCTC NFIF7A

101 CTCCGGCGGATAGGACAGTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF14B
101 CTCCGGCGGATAGGACAGTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF7A

151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG NFIF14B
151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG NFIF7A

201 TGCAAATGCCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF14B
201 TGCAAATGCCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF7A

251 CATATCAACTTATTTTTGTCAGCATTTGATTTTATTAAAAATTCTGGACAA NFIF14B
251 CATATCAACTTATTTTTGTCAGCATTTGATTTTATTAAAAATTCTGGACAA NFIF7A

301 GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTGT NFIF14B
301 GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCTGT NFIF7A

351 ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF14B
351 ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF7A

401 CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF14B
401 CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF7A

451 AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCAACAGTAAAGT NFIF14B
451 AATCATGACTATTGGCCACAGG----- NFIF7A

501 GTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA NFIF14B
473 ----- NFIF7A

551 TTAGTACTTTAAGGAAAGGTGGTTTTTTATTACAGAAAGTTACAACCTAAT NFIF14B
473 ----- NFIF7A

601 CCAAACCTTAGGATCATCAGTCTAAACACAAACTTTGTACTACGGCCCAA NFIF14B
473 ----- NFIF7A

651 TATAATGACACTGAACAAGACTGACCCAGCCAAACCACTTTGAATGGCTAG NFIF14B
473 ----- NFIF7A

701 AAAGTACATTGAACAACCTCTCAGCAGAAATAAGGAGAAAGGTGTATATCATA NFIF14B
473 -----TGTATATCATA NFIF7A

751 GCACATGTTCCAGTGGGGTATCTGCCATCTTTCACAGAACATCACAGCAAT NFIF14B
484 GCACATGTTCCAGTGGGGTATCTGCCATCTTTCACAGAACATCACAGCAAT NFIF7A

801 GAGAGAATACTATAATGAGAAATTGATAGATATTTTTCAAAAATACAGTG NFIF14B
534 GAGAGAATACTATAATGAGAAATTGATAGATATTTTTCAAAAAGTACAGTG NFIF7A

851 ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF14B
584 ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF7A

901 GTTCTTTTCAGATAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF14B
634 GTTCTTTTCAGATAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF7A

FIGURE 3

951 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF14B
 684 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF7A

 1001 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF14B
 734 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF7A

 1051 TTGCAGTATTACTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT NFIF14B
 784 TTGCAGTATTACTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT NFIF7A

 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF14B
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF7A

 1151 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B
 884 AGCCGGAAAGTTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A

 1201 AAGCAGTTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B
 934 AAGCAGTTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A

 1251 TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF14B
 984 TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF7A

 1301 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B
 1034 ATCTTGATAAATATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A

 1351 CACAATTACTAG NFIF14B
 1084 CACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

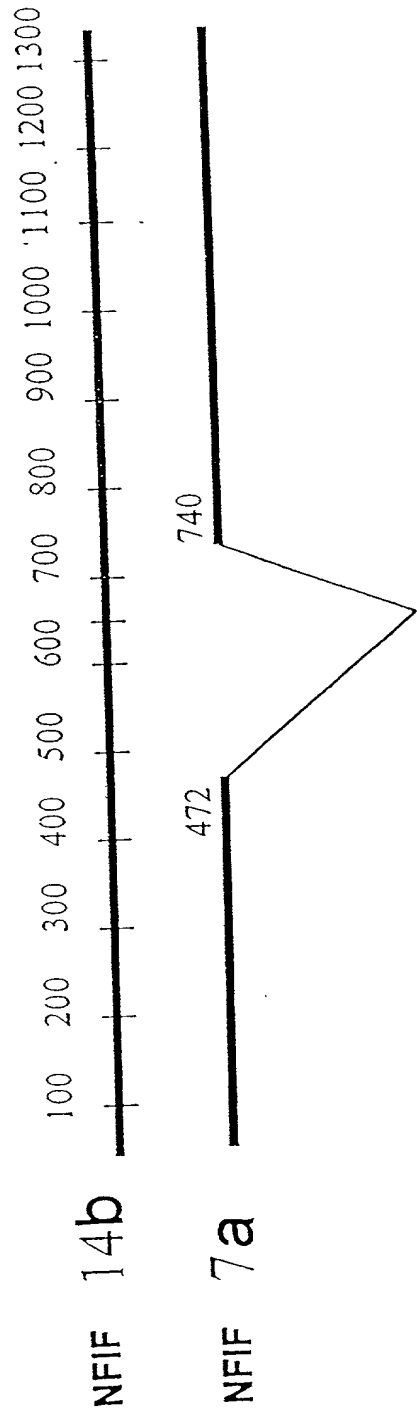


FIGURE 4

NFκB Reporter with NFIF

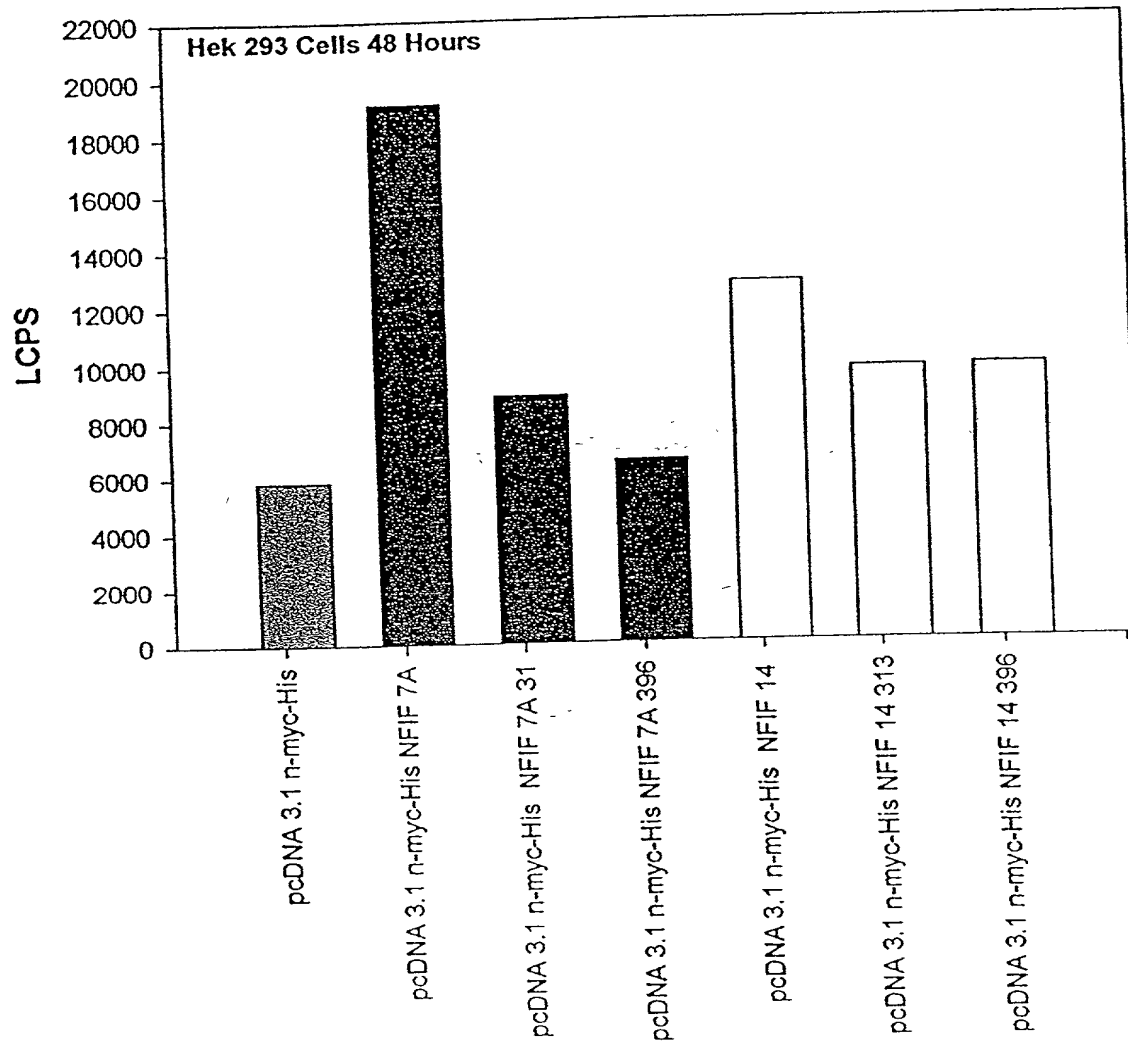


FIGURE 5

NFκB Reporter with NFIF

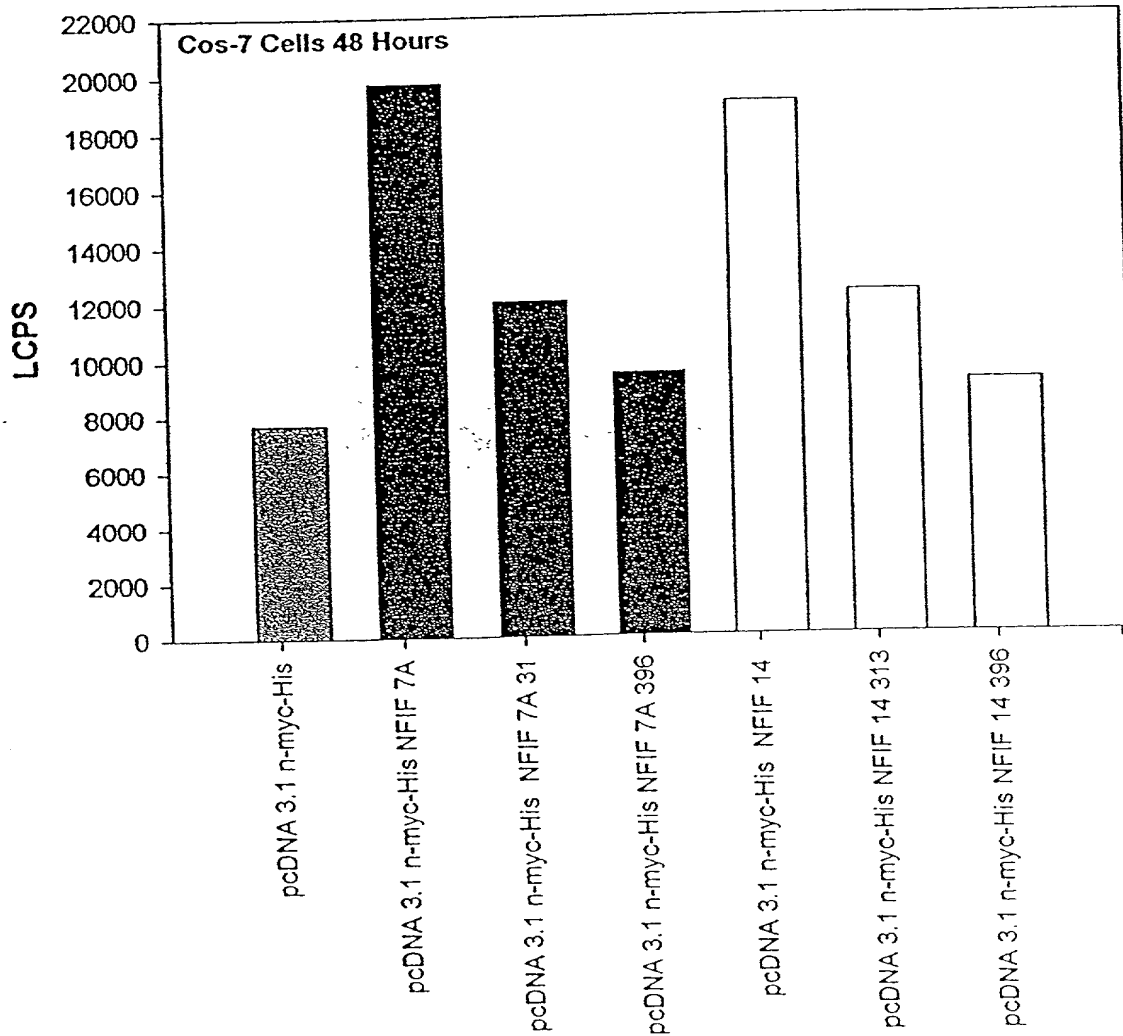


FIGURE 6

SKGANASNPFGDV

FIGURE 7

030454500

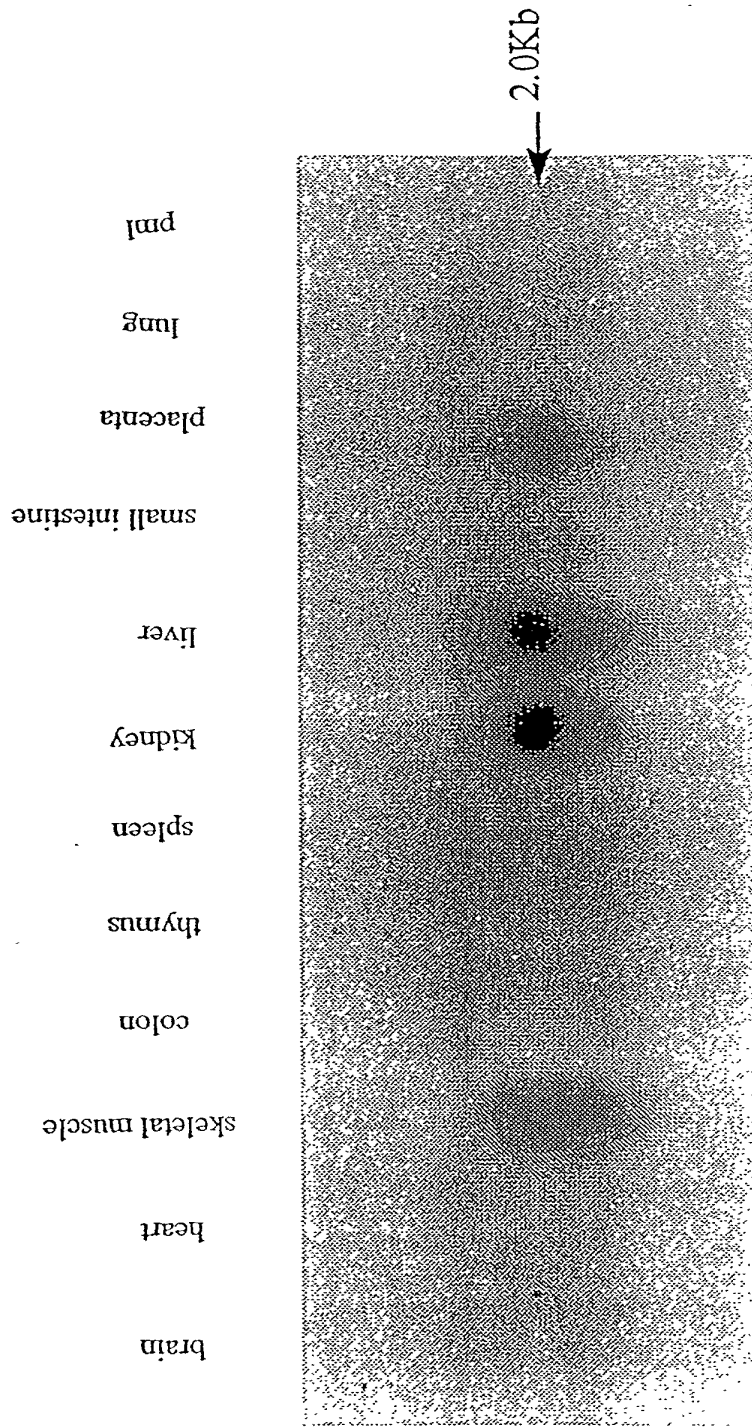


FIGURE 8